نماذج تدريبية للصف الثالث الثانوي

الأحياء باللغة الإنجليزية

النموذج (5)

2026-2025

حقوق النشر محفوظة لوزاره التربيه والتعليم والتعليم الفني 2025-2026

موقع الدكتور محمد رزق معلم الكيمياء التعليمي D.M.RAZK

أولاً : الأسئلة الموضوعية (اختيار من متعدد) "كل سؤال من درجة واحدة"

1 **When a disturbance occurs in lower part the body of vertebra number 18 and it transverse process, a disturbance occurs at its connection with :**

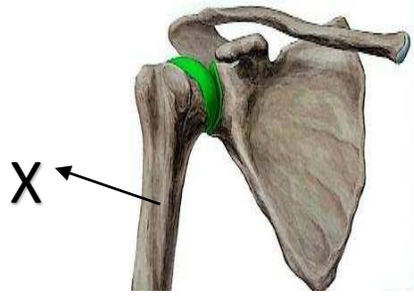
A) Vertebrae number 17 and rib number 8

B) Vertebra number 17 and 19

C) First floating rib and vertebrae number 19

D) Vertebrae number 19 and rib number 8

2 **How many bones articulating with lower head of the bone represented by (X) in the figure?**



A) 2

B) 3

C) 4

D) 5

3 What are the types of movement that could occur in Elodea plant?

A) Continuous only

B) Continuous and sleep movement

C) Pull movement and tropism

D) Continuous and positional

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4 **Which of the following distinguishes gastrocnemius muscle from cardiac muscle in term of shape under microscope?**

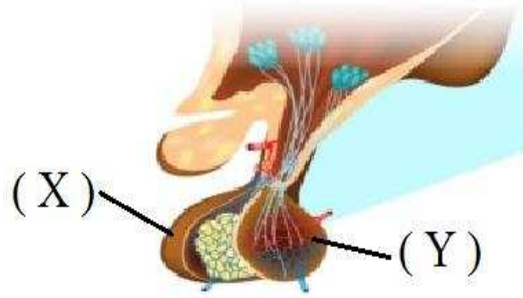
A) Cylindrical unstriated muscle fibers
B) Irregular shape muscle fibers
C) The presence of dark and light areas
D) Cylindrical multinucleated muscle fibers

5 **Which of the following hormones have a role in stimulating the secretion of water insoluble hormones**

A) ACTH
B) TSH
C) Adrenaline
D) Aldosterone

6 **From the opposite figure:**

Which Of the following distinguishes (X) from (Y)



A) Producing of hormones
B) Storage of hormone
C) Secreting hormones to blood
D) Activating body organs

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7 **The increase in temperature leads to increasing and decreasing of hormones. Which of the following represents that?**

A) Increase of ADH and decrease of Aldosterone

B) Increase of thyroxin – decrease of ADH

C) Increase of ADH and decrease of Thyroxin

D) Increase of aldosterone and of decrease ADH

8 **What is a main advantage of tissue culture for producing new plants?**

A) Occurs in natural nutritive medium

B) Allows for the rapid production of disease-free plants

C) Less expensive than traditional methods

D) Requires less technical skill than traditional methods

9 **What is the next stage after formation of zygote in the conjugation of spirogyra?**

A) Can grow to a new filament before conditions become favorable

B) Develops to zygospore waiting conditions become favorable

C) Divides mitotically waiting conditions become favorable

D) Divides meiotically waiting conditions become favorable

10 **In double fertilization, what is probably happen if one of the two male nuclei of pollen tube does not fused with egg cell?**

A) Embryo is formed but the endosperm not formed

B) Endosperm is formed but the embryo not formed

C) Each of endosperm and embryo are formed normally

D) Neither embryo or endosperm are formed normally

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11 **Apple is called a false fruit because:?**

A) Does not contain seeds

B) Does not consist of only the ovary

C) Contains unfertilized ovules

D) Consists of only the ovary of a single flower

12 **The fallopian tube is lined with cilia that move toward the uterus. This adaptation helps in:**

A) Pushing the ovum or the zygote toward the end of fallopian tube.

B) Transport sperm toward the ovum.

C) Exit of ovum from the ovary towards fallopian tube.

D) Push the sperm to inside the ovum

13 **Which of the following methods was used to produce a male Ancon sheep in the same way as Dolly the sheep?**

A) Implanting a nucleus of (Y) sperm from a male Ancon instead of the nucleus of a female breast

B) Using nucleus of a cell from the mammary gland from Ancon female

C) Implanting a nucleus from the blastocyst of a female Ancon embryo instead of the nucleus of a female egg.

D) Using a cell from the muscle of a male Ancon to produce an embryo.

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14 **Which biochemical immune mechanisms, the absence of which directly and negatively impacts structural immunity?**

A) Canavanine.

B) Phenols.

C) Receptors.

D) Glycosides.

15 **Which of the following organs or cells responsible for purify the blood circulation from old age cells?**

A) Tonsils

B) Plasma B cells

C) Payer's patches

D) Macrophages

16 **Which of the following cell receptors have the same shape and structure of the antibody?**

A) B -cells

B) macrophage

C) T-cells

D) Mast cell

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17 **A person was brought to the hospital's emergency department complaining of severe pain in the right lower abdomen. He was diagnosed with appendicitis.**

On examining his blood, which of the following blood cells their number expected to be higher than normal?

A) Red blood cells.

B) Neutrophils.

C) Monocytes.

D) Neutrophils and monocytes.

18 **What is the result of a defect happened in the bonding of deoxyribose sugar with the phosphate group of adjacent nucleotide in DNA molecule?**

A) An increase in the number of hydrogen bonds between the bases

B) A change in the sequence of nitrogenous bases only

C) A break in the strand due to a defect in the sugar-phosphate structure

D) The replication of complementary bases only stops

19 **What happens if the primase enzyme fails to bind during replication?**

A) The rate of nucleotide adding increases

B) The number of hydrogen bonds increases

C)) Synthesis of a new strand cannot begin

D) Polymerization will begin without a primer

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20 **Which of the following is a difference between DNA in prokaryotes and DNA in eukaryotes in terms of location?**

A) Both are located within the nucleus

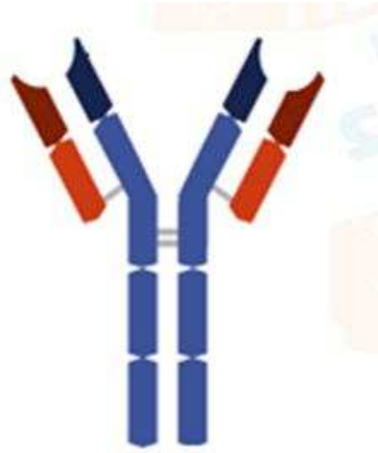
B) DNA in Eukaryotes found in the cytoplasm only

C) DNA in Prokaryote found in the mitochondria

D) DNA in Prokaryote found in the cytoplasm

21 **Study the figure then deduce:**

What type or types of protein found in the structure indicated by the figure?



A) Structural only

B) Regulatory only

C) Structural and regulatory

D) Structural histone

22 **What nucleotide sequence immediately follows the promoter on the template DNA strand used during mRNA transcription?**

A) Triple sequence complementary to the start codon

B) Triple sequence complementary to the anticodon

C) A sequence complementary to the ribosome binding site.

D) Sequence complementary to the r-RNA

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23 **Which of the following is not a component of process of DNA production by PCR device?**

A) DNA template

B) Nucleotides

C) Polymerase enzyme

D) Helicase enzyme

24 **The High Dam in Aswan is one of the most important geological projects of the modern era, and its impact is evident in many fields. Which branch of geology contributed mainly to its construction?**

A) Engineering Geology

B) Paleontology

C) Geochemistry

D) Petroleum Geology

25 **The difference in density between the mantle and the outer core is due to the difference in:**

A) Degree of hardness

B) Temperature of each

C) Type of elements composing them

D) Thickness of each

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26 **A vertical section in a sedimentary sequence reveals a strike - slip fault overlying horizontal sedimentary layers unaffected by tectonic forces.**

Which of the following is most likely to be deduced?

A) No difference in layer level and Nonconformity.

B) No difference in layer level and a disconformity.

C) A difference in layer level and a disconformity.

D) A difference in layer level and an angular unconformity

28 **Which of the following distinguishes monoclinic crystals from triclinic crystals?**

A) Alpha angle equals gamma angle.

B) Beta angle does not equal alpha angle.

C) Gamma angle does not equal beta angle.

D) The horizontal axes are not equal.

27 **The mineral with the chemical formula (FeS_2) known as pyrite.**

Which of the following minerals groups it belongs to?

A) Oxides

B) Silicates

C) Sulfates

D) Sulfides

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29 **Which of the following does <u>not</u> apply to calcite and quartz?**

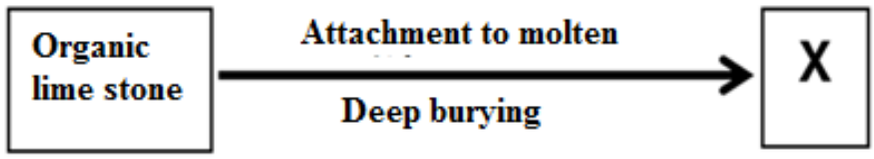
A) Both have the same luster

B) They can scratch gypsum

C) They have the same cleavage levels

D) Both occur in oil-bearing rocks

30 **Study the following diagram, which represents part of the rock cycle, and then answer:**



Which of the following is most expected to be the formation of rock (X)?

A) Quartz crystals bond together to form quartzite, the most hardness.

B) Calcite crystals bond together to form marble, the most hardness.

C) Limestone melts to form an acidic magma rich in oxides.

D) Limestone melts to form a basic magma rich in calcium.

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31

Explain the effect of the following on three rock samples:

Sample 1: An intrusive igneous rock with a silica content of up to 70%, exposed to high-viscosity magma from below.

Sample 2: A compact sedimentary rock with a grain size of 40 microns, subjected to intense pressure and a temperature of 150°C.

Sample 3: A chemical sedimentary rock composed of a single mineral, exposed to intense heat without melting. **The samples, in order are:**

A) Gneiss – Slate – Marble

B) Marble – Mica Schist – Quartzite

C) Gneiss – Mica Schist – Quartzite

D) Quartzite – Slate – Marble

32

When sand particles weather to less than 50 µm and the sediments lithified, the resulting rock is:

A) Granite

B) Quartzite

C) Mudstone

D) Sandstone

ثانياً : الأسئلة الموضوعية (الاختيار من متعدد) " كل سؤال من درجتين "

33

When the muscle connected to the gastrocnemius muscle is cut, the bones attached to this muscle will:

A) Make a slow motion

B) Move randomly

C) Change its direction

D) Remain in one position

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34 **When a disturbance occurs in food digestion in the intestines despite the integrity of the alimentary canal, this may be due to a disturbance in :**

A) Follicular cells in pancreas

B) Islet of Langerhans in pancreas

C) Thyroxine hormone

D) Gastrin hormone

35 **Which of the following is expected to occur in the absence of the tube nucleus in the pollen grain?**

A) The generative nucleus divides and the pollen tube is formed.

B) The pollen grain completes germination and fertilization occurs.

C) Fertilization is not completed

D) Double fertilization occurs

36 **In seeds such as wheat and corn, nutrients are stored in:**

A) Two cotyledons surrounding the embryo

B) The embryo sac

C) The embryo

D) The seed coat

37 **All of the following apply to Sertoli cells <u>except</u> :**

A) Production of male hormones

B) Have immunity function

C) Nutrition of sperm

D) Found in the wall of the seminiferous tubules

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38 **Which statement best describes the difference in the responses of plasma B cells and cytotoxic T cells?**

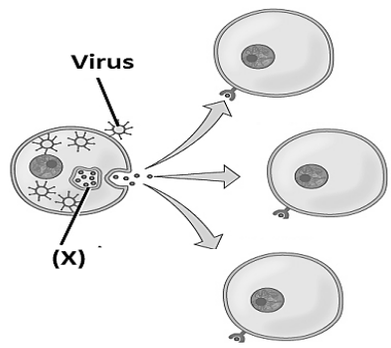
A) B cells directly kill pathogens, while cytotoxic T cells kill host cells.

B) B cells secrete antibodies against the pathogen, while cytotoxic T cells kill infected host cells.

C) B cells carry out the cellular response; cytotoxic T cells carry out the humoral response.

D) B cells act in the first immune response; cytotoxic T cells act in the second immune

39 **The opposite figure represents ….. immunity, and the letter (X) refers to.....**



A) Innate - interleukins.

B) Acquired - interleukins.

C) Innate - interferons.

D) Specific - interferons

40 **Which of the following is <u>NOT</u> a mechanism that maintains the structure of DNA in eukaryotes?**

A) The presence of terminal granules on chromosomes.

B) Its complexity with histone proteins.

C) Its presence within the nucleus surrounded by a nuclear membrane.

D) The presence of promoters at the beginning of each gene.

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41 **What are the consequences of the failure of DNA replication in a child's bone marrow stem cells?**

A) A decrease in red and white blood cell production.

B) Occurrence of mutations in the shape of red and white blood cells.

C) A significant decrease in bone growth, affecting the child's height.

D) A disturbance occurring in the structure of the hemoglobin protein and antibodies

42 **How does r RNA differ from other types of RNA?**

A) It carries the code for amino acids.

B) It carries amino acids.

C) It is part of the ribosome structure.

D) It is reused during translation.

43 **Tectonic forces caused the rocks above the fault plane to move against the force of gravity. This resulted in the presence of**

A) Strike-slip fault

B) Reverse fault

C) Vertical joint

D) Horizontal joint

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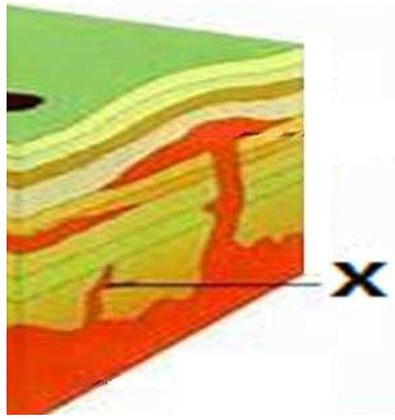
44 **Study the figure which represents vertical geological section below and answer.**

What does the feature labeled (X) represent?



A) Dike

B) Sill

C) Batholith

D) Volcanic crater

ثالثاً: الأسئلة المقالية " كل سؤال من درجتين "

45 **a) Explain the reason for the presence of small amount of cytoplasm and it not depends on it in its nutrition?**

.....

.....

.....

b) Explain the importance of the presence of large amount of cytoplasm in the ovum of human before fertilization and after it?

.....

.....

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46

Through your study of molecular technology in each of hybridization and recombinant DNA techniques

(A) What is the difference between the methods of separation of DNA parts in both techniques?

……

……..

……..…..

(B) What is the difference between the methods of connecting of DNA parts in both techniques?

……

……

……..…..

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إنتهت الأسئلة

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Dr.MoRizK

اجابه الامتحان الاسترشادي الخامس احياء لغات انجليزي 2026 موقع الدكتور محمد رزق التعليمي

رقم السؤال	الاجـــــــابة
1	C
2	A
3	D
4	D
5	A
6	A

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7	C
8	B
9	B

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10	B
11	B
12	A
13	D
14	C
تم بواسطه موقع الدكتور محمد رزق التعليمي	
15	D
16	A
17	D
18	C
19	C
20	D
21	B

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22	C
23	D
24	A
25	C
تم بواسطه موقع الدكتور محمد رزق التعليمي	
26	B
27	D
28	A
29	C
30	B
31	A
32	C
33	D

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A	34
C	35
B	36
A	37
B	38
C	39
D	40
A	41
C	42
B	43
A	44

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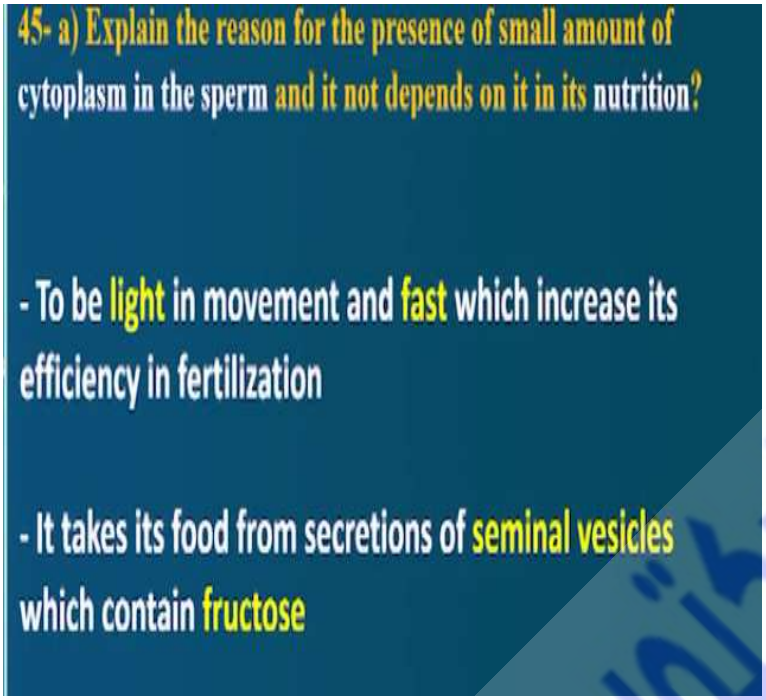

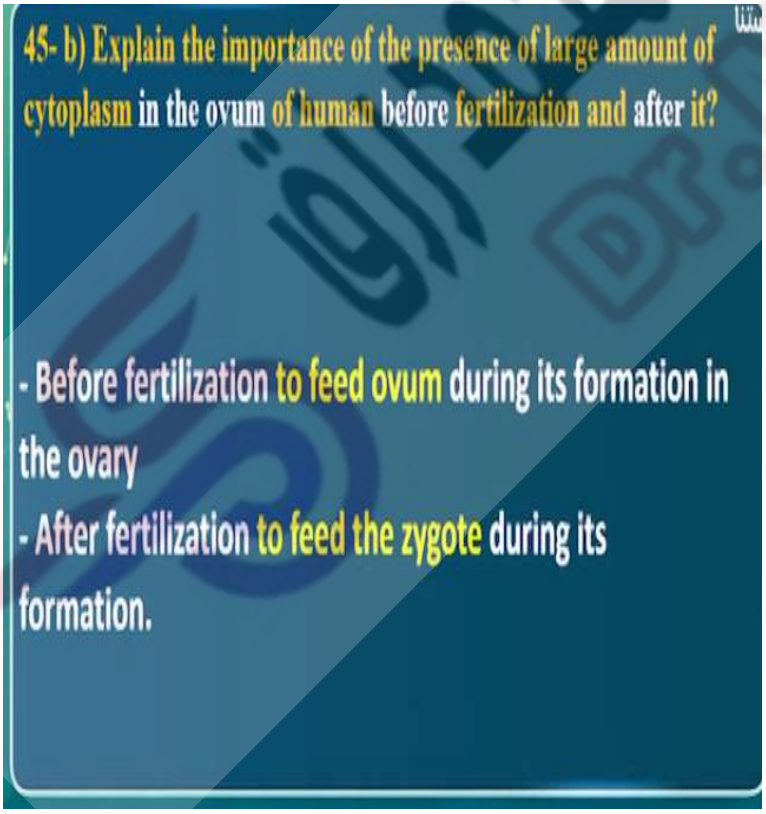

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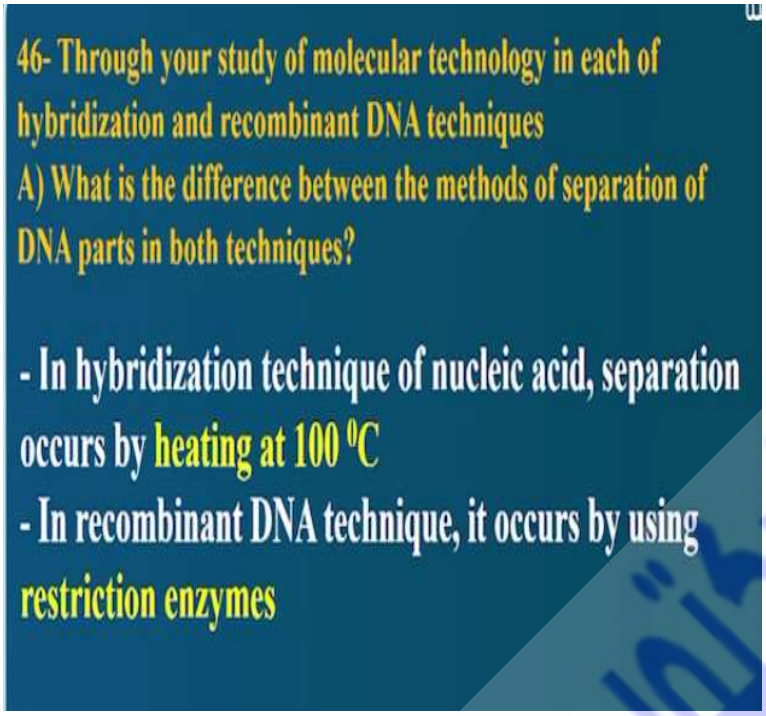

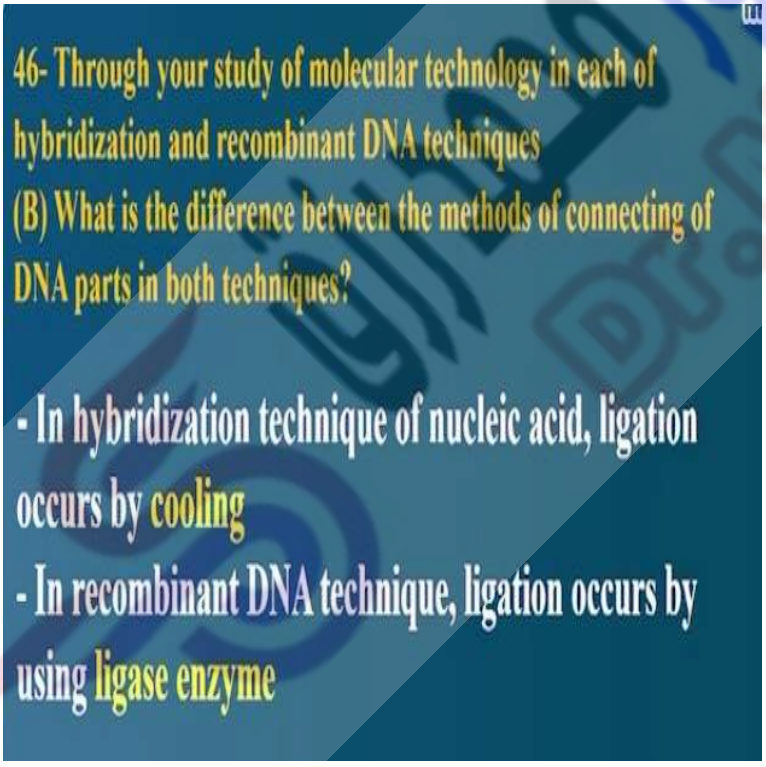

تم الاجابه من خلال موقع الدكتور محمد رزق التعليمي

والمصدر قناه مدرستنا 3

D.M.RAZK موقع الدكتور محمد رزق معلم الكيمياء التعليمي

موقع الدكتور محمد رزق التعليمي

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